Claims

1. A rotary bending tool, comprising:

a saddle comprised of an elongated member formed with a partially cylindrical open recess extending lengthwise along said saddle;

a rocker comprised of an elongated member having a partially cylindrical outer surface fit to said partially cylindrical portion of said saddle recess, said saddle recess to allow relative rotation therein, said saddle partially encircling said rocker to capture the same;

said rocker having a V-shaped recess extending lengthwise along said rocker, said V-shaped recess positioned to face away from said saddle recess with said cylindrical saddle recess and said partially cylindrical surface of said rocket interfit together;

a series of pins each received in respective one of a series of holes in said saddle and entering a respective one of a series of pockets formed into said cylindrical surface of said rocker;

a spring associated with each pin holding said pin in said respective pocket of said rocker;

a series of oil impregnated graphite plugs mounted into a surface defining said saddle recess and engaging said rocker cylindrical surface, said series distributed along the length of said saddle recess, lubricating said rocker cylindrical surfaces.

2. The rotary bending tool according to claim 1 wherein said series of graphite plugs are arranged in two side by side rows extending along said saddle recess.

3. The rotary bending tool according to claim 1 wherein each of said graphite plugs have an arcuately contoured end in engagement and conforming with said rocker cylindrical surface.

4. A method of manufacturing the rotary bending tool of claim 1 including the steps of machining said rocker to form said V recess and rocker cylindrical surfaces, subsequently heat treating said rocker to harden said rocker, and thereafter reverse bending said rocker to eliminate any warpage thereof caused by said heat treating.